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Search Report
EIC 2800

STIC Database Tracking Number: 240194

To: JOSE DEES
Location: JEF-8D59
Art Unit: 2800
Monday, October 15, 2007

Case Serial Number: 10/032516
Patent Number: 5971625

From: DIANE JACKSON
Location: EIC2800
JEF-4B68 / JEF-4B68
Phone: (571)272-3260

diane.jackson@uspto.gov

Search Notes

Attached are litigation search results in Lexis Nexis, and CourtLink and Questel-Orbit.

No Litigation was found for Serial Number 10/032516 and Patent Number 5971625 .

If you have any questions, please feel free to contact me.

Thanks,

Diane

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All Results - (1) Agency Materials - (1)
Source: Combined Source Set 10 - Utility, Design and Plant Patents
Terms: Patno=5971625 (Edit Search | Suggest Terms for My Search)

906919 (08) 5971625 October 26, 1999

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5971625

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October 26, 1999

Double ferrule SC connector and adapter

REISSUE: October 26, 2001 - Reissue Application filed Ex. Gp.: 2874; Re. S.N. 10/023,516 (O.G. September 10, 2002)

INVENTOR: Lu, Liang-Ju - Eden Prairie, Minnesota, United States (US)

APPL-NO: 906919 (08)

FILED-DATE: August 6, 1997

GRANTED-DATE: October 26, 1999

ASSIGNEE-AT-ISSUE: ADC Telecommunications, Inc., Minnetonka, Minnesota, United States (US), United States company or corporation (02)

LEGAL-REP: Merchant & Gould P.C.

PUB-TYPE: October 26, 1999 - Utility Patent having no previously published pre-grant publication (A)

PUB-COUNTRY: United States (US)

REL-DATA:
Continuation of Ser. No. 720764, October 3, 1996, GRANTED PATENT 5692080

US-MAIN-CL: 385#60

US-ADDL-CL: 385#55, 385#72, 385#78

CL: 385

SEARCH-FLD: 385#60, 385#53, 385#55, 385#56, 385#59, 385#75, 385#72, 385#71, 385#78, 385#92

IPC-MAIN-CL: [6] G02B 006#38

Extended Family Search Results

US5971625/PN Results : 4

PATENT FAMILY

#	Patent No.	Kind	Date	Applic.No.	Date
1)	AU9857897	A	19980424	1998AU-0057897	19970924
2)	US5692080	A	19971125	1996US-0720764	19961003
3)	US5971625	A	19991026	1997US-0906919	19970806
4)	WO9814809	A2	19980409	1997WO-US17164	19970924
	WO9814809	A3	19980820		

Priority :

1996US-0720764	19961003
1997US-0906919	19970806
1997WO-US17164	19970924

1 / 4 PLUSPAT - ©QUESTEL-ORBIT

PN - AU5789798 A 19980424 [AU9857897]
STG - (A) Open to public inspection
TI - (A) Double ferrule sc connector and adapter
PA - (A) ADC TELECOMMUNICATIONS INC
IN - (A) LU LIANG-JU
IC - (A) G02B-006/36
AP - AU5789798 19970924 [1998AU-0057897]
PR - WOUS9717164 19970924 [1997WO-US17164]
US72076496 19961003 [1996US-0720764]
ICAA - G02B-006/38 [2006-01 A - I R M EP]
ICCA - G02B-006/38 [2006 C - I R M EP]
EC - G02B-006/38D10A6
G02B-006/38D14P
G02B-006/38D2N
ICO - S02B-006/38D2K4
S02B-006/38D2N
S02B-006/38D6K

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PN - US5692080 A 19971125 [US5692080]
STG - (A) United States patent
TI - (A) Double ferrule SC connector and adapter
PA - (A) ADC TELECOMMUNICATIONS INC (US)
PA0 - ADC Telecommunications, Inc., Minneapolis MN [US]
IN - (A) LU LIANG-JU (US)

IC - (A) G02B-006/38
AP - US72076496 19961003 [1996US-0720764]
PR - US72076496 19961003 [1996US-0720764]
ICAA - G02B-006/38 [2006-01 A - I R M EP]
ICCA - G02B-006/38 [2006 C - I R M EP]
EC - G02B-006/38D10A6
G02B-006/38D14P
G02B-006/38D2N
ICO - S02B-006/38D2K4
S02B-006/38D2N
S02B-006/38D6K
PCL - ORIGINAL (O) : 385060000; CROSS-REFERENCE (X) : 385055000 385072000 385078000
DT - Corresponding document

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PN - US5692080 A 19971125 [US5692080]
AP - US72076496 19961003 [1996US-0720764]
ACT - 19961003 US/AS02-A
ASSIGNMENT OF ASSIGNOR'S INTEREST
OWNER: ADC TELECOMMUNICATIONS, INC. 4900 WEST 78TH STREET;
EFFECTIVE DATE: 19960930

19961003 US/AS02-A
ASSIGNMENT OF ASSIGNOR'S INTEREST
OWNER: LU, LIANG-JU; EFFECTIVE DATE: 19960930
UP - 2003-22

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PN - US5971625 A 19991026 [US5971625]
STG - (A) United States patent
TI - (A) Double ferrule SC connector and adapter
PA - (A) ADC TELECOMMUNICATIONS INC (US)
PA0 - ADC Telecommunications, Inc., Minnetonka MN [US]
IN - (A) LU LIANG-JU (US)
IC - (A) G02B-006/38
AP - US90691997 19970806 [1997US-0906919]
PR - US72076496 19961003 [1996US-0720764]
US90691997 19970806 [1997US-0906919]
ICAA - G02B-006/38 [2006-01 A - I R M EP]
ICCA - G02B-006/38 [2006 C - I R M EP]
EC - G02B-006/38D10A6
G02B-006/38D14P
G02B-006/38D2N
ICO -
S02B-006/38D2K4
S02B-006/38D2N

S02B-006/38D6K

PCL - ORIGINAL (O) : 385060000; CROSS-REFERENCE (X) : 385055000 385072000 385078000

DT - Basic

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PN - US5971625 A 19991026 [US5971625]

AP - US90691997 19970806 [1997US-0906919]

ACT - 20020910 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20011026

UP - 2003-22

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PN - WO9814809 A2 19980409 [WO9814809]

STG - (A2) Publ. Of int. Appl. W/out int. Search rep

TI - (A2) DOUBLE FERRULE SC CONNECTOR AND ADAPTER

OTI - (A2) CONNECTEUR ET ADAPTATEUR SC A DEUX FERRULES

PA - (A2) ADC TELECOMMUNICATIONS INC (US)

PA0 - ADC TELECOMMUNICATIONS, INC. ; 12501 Whitewater Drive Minnetonka, MN 55343 (US)

IN - (A2) LU LIANG-JU

IC - (A2) G02B-006/36

PN2 - WO9814809 A3 19980820 [WO9814809]

STG2 - (A3) Subsqu. Publ. Of int. Search report

TI2 - (A3) DOUBLE FERRULE SC CONNECTOR AND ADAPTER

PA2 - (A3) ADC TELECOMMUNICATIONS INC (US)

IN2 - (A3) LU LIANG-JU

IC2 - (A3) G02B-006/36

LA - ENGLISH (ENG)

AP - WOUS9717164 19970924 [1997WO-US17164]

PR - US72076496 19961003 [1996US-0720764]

ICAA - G02B-006/38 [2006-01 A - I R M EP]

ICCA - G02B-006/38 [2006 C - I R M EP]

EC - G02B-006/38D10A6
G02B-006/38D14P
G02B-006/38D2N

ICO - S02B-006/38D2K4
S02B-006/38D2N
S02B-006/38D6K

DS - AL; AM; AT; AT (Utility model); AU; AZ; BA; BB; BG; BR; BY; CA; CH; CN; CU; CZ; CZ (Utility model); DE; DE (Utility model); DK; DK (Utility model); EE; EE (Utility model); ES; FI; FI (Utility model); GB; GE; GH; HU; ID; IL; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SK (Utility model); SL; TJ; TM; TR; TT; UA; UG; UZ; VN; YU; ZW; ARIPO Patent (GH; KE; LS; MW; SD; SZ; UG; ZW); Eurasian Patent (AM; AZ; BY; KG;

KZ; MD; RU; TJ; TM); European Patent (AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE); OAPI Patent (BF; BJ; CF; CG; CI; CM; GA; GN; ML; MR; NE; SN; TD; TG)

DT - Corresponding document

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PN - WO9814809 A2 19980409 [WO9814809]WO9814809 A3 19980820 [WO9814809]

AP - WOUS9717164 19970924 [1997WO-US17164]

ACT -

19980409 WO/AK [+]
DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED SEARCH REPORT
AL AM AT AT AU AZ BA BB BG BR BY CA CH CN CU CZ CZ DE DE DK DK EE EE ES FI FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK SL TJ TM TR TT UA UG UZ VN YU ZW AM AZ BY KG KZ MD RU TJ TM

19980409 WO/AL [+]
DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A SUBSEQUENTLY PUBLISHED SEARCH REPORT
GH KE LS MW SD SZ UG ZW AT BE CH DE DK ES FI FR

19980618 WO/DFPE
REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE

19980819 WO/121
EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATION

19980820 WO/AK [+]
DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED SEARCH REPORT
AL AM AT AT AU AZ BA BB BG BR BY CA CH CN CU CZ CZ DE DE DK DK EE EE ES FI FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK SL TJ TM TR TT UA UG UZ VN YU ZW AM AZ BY KG KZ MD RU TJ TM

19980820 WO/AL [+]
DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A SUBSEQUENTLY PUBLISHED SEARCH REPORT
GH KE LS MW SD SZ UG ZW AT BE CH DE DK ES FI FR

19990604 WO/NENP
NON-ENTRY INTO THE NATIONAL PHASE IN:
JP 1998516661 [1998JP-0516661]

19990805 WO/REG; DE/8642 [-]
DE: IMPACT ABOLISHED FOR DE
DE: WIRKUNG WEGGEFALLEN FUER DE
<DE>

20000209 WO/122 [-]

EP: PCT APP. NOT ENT. EUROP. PHASE

20000403 WO/NENP
NON-ENTRY INTO THE NATIONAL PHASE IN:
<CA>

UP - 2003-22

Search statement 2

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FAN - 20042782166941

PN - US5692080 A 19971125 [US5692080]
STG: United States patent
AP : 1996US-0720764 19961003
WO9814809 A2 19980409 [WO9814809]
STG: Publ. Of int. Appl. W/out int. Search rep
AP : 1997WO-US17164 19970924
AU5789798 A 19980424 [AU9857897]
STG: Open to public inspection
AP : 1998AU-0057897 19970924
WO9814809 A3 19980820 [WO9814809]
STG: Subsqu. Publ. Of int. Search report
US5971625 A 19991026 [US5971625]
STG: United States patent
AP : 1997US-0906919 19970806
FD : Cont. of US720764 19961003 [1996US-0720764]
FD : Continuation of: US5692080

TI - Double ferrule SC connector and adapter

PA - ADC TELECOMMUNICATIONS INC

PA0 - ADC Telecommunications, Inc., Minneapolis MN [US]

IN - LU LIANG-JU

PR - 1996US-0720764 19961003; 1997US-0906919 19970806; 1997WO-US17164 19970924

IC - G02B-006/36
G02B-006/38

ICAA - G02B-006/38 [2006-01 A - I R M EP]

ICCA - G02B-006/38 [2006 C - I R M EP]

EC - G02B-006/38D10A6
G02B-006/38D14P
G02B-006/38D2N

ICO - S02B-006/38D2K4
S02B-006/38D2N
S02B-006/38D6K

PCL - ORIGINAL (O) : 385060000; CROSS-REFERENCE (X) : 385055000 385072000 385078000

DS - (WO9814809)
AL AM AT AT (Utility model) AU AZ BA BB BG BR BY CA CH CN CU CZ CZ (Utility model) DE DE (Utility model) DK DK (Utility model) EE EE (Utility model) ES FI FI (Utility model) GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK (Utility model) SL TJ TM TR TT UA UG UZ VN YU ZW ARIPO Patent (GH KE LS MW SD SZ UG ZW) Eurasian Patent (AM AZ BY KG KZ MD RU TJ TM) European Patent (AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE) OAPI Patent (BF BJ CF CG CI CM GA GN ML MR NE SN TD TG)

CT -
(US5692080)
US5123071; US5317663; US5335301; US5577146
Aug. 1996 issue of Light Wave magazine no month.

Advertisement from a magazine called FDDI Fiber Connector of Methode Electronics, Inc., Fiber Optics Division, 7444 Weat Wilson Avenue, Chicago, Illinois no month, no year.

Page 54 of Fiferoptic Product News, Apr. 1996.

CT - (US5971625)
US4611887; US5016968; US5123071; US5166995; US5317663; US5333221; US5335301; US5337385; US5577146; US5692080
Circle No. 4, Light Wave magazine, advertisement for AMP Corporation products, Aug. 1996.

Circle 198, magazine advertisement for Methode Electronics Inc., (date unknown).

Amendment filed in response to Mar. 20, 1997 Office Action in Serial No. 08/720,764, (Apr. 29, 1997).

CT - (WO9814809)
Cited in the search report
US5166995(A)(Cat. A);US5337385(A)(Cat. A);US5317663(A)(Cat. A);US5016968(A)(Cat. A);US5333221(A)(Cat. A)

AB - (US5692080)
A fiber optic connector has two ferrules contained within a single connector housing with the ferrules positioned in parallel, spaced-apart alignment. The connector includes a first mating fastener exposed on exterior sides of the connector housing. A fiber optic adapter has an open end to slidably receive the connector housing. The adapter includes two parallel sleeves contained within the adapter housing and aligned with the ferrules of the connector. The adapter includes a second mating fastener exposed to an interior of the adapter housing to releasably mate with the first mating fastener when the connector housing is in the full insert position.

OBJ - (US5692080)
This invention pertains to fiber optic connectors and adapters for coaxially connecting fiber optic cables.
More particularly, this invention pertains to an adapter to accept two ferrules to double the density of connections.
It is the object of the present invention to provide a dual SC connector and adapter requiring no greater area than that required by the single SC connector and adapter shown in U.S. Pat. No. 5,317,663.

ADB - (US5692080)
It is desirable to increase the density of connectors in a telecommunications plant.

ICLM - (US5692080)
1. An optical fiber connector assembly comprising:
a. a fiber optic connector having:
- i. a connector housing having a leading end;
- ii. at least a first ferrule and a second ferrule contained within said connector housing with;
- A. said first and second ferrules positioned in parallel, spaced-apart alignment at said leading end, and
- B. said ferrules having exposed ends at said leading end;
- iii. said connector housing including a first mating fastener exposed on exterior sides of said connector housing, said first mating fastener including a clip receiving detent formed on exposed external surfaces of said connector housing;
b. a fiber optic adapter having:
- i. an adapter housing having an open end sized to slidably receive said leading end of said connector housing with said connector housing moving toward a full insert position in a path of travel parallel to said ferrules;
- ii. at least a first and a second parallel sleeves contained within said adapter housing and

positioned for said first and second sleeves to slidably receive respective ones of said first and second ferrules as said connector housing is moved toward said full insert position;
- iii. a second mating fastener including cantilevered clips on said adapter housing and exposed to an interior of said housing to releasably mate with said first mating fastener when said connector housing is moved to said full insert position; and
- iv. external walls of said adapter housing having voids formed therethrough, said clips at least partially disposed within said voids and said clips movable into said voids as said clips are deflected in response to insertion of said leading end of said connector housing into said adapter housing.

UP - 2000-08

1 / 3 LGST - ©EPO

PN - US5971625 A 19991026 [US5971625]

AP - US90691997 19970806 [1997US-0906919]

ACT - 20020910 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20011026

UP - 2003-22

2 / 3 LGST - ©EPO

PN - US5692080 A 19971125 [US5692080]

AP - US72076496 19961003 [1996US-0720764]

ACT - 19961003 US/AS02-A
ASSIGNMENT OF ASSIGNOR'S INTEREST
OWNER: ADC TELECOMMUNICATIONS, INC. 4900 WEST 78TH STREET;
EFFECTIVE DATE: 19960930

19961003 US/AS02-A
ASSIGNMENT OF ASSIGNOR'S INTEREST
OWNER: LU, LIANG-JU; EFFECTIVE DATE: 19960930

UP - 2003-22

3 / 3 LGST - ©EPO

PN - WO9814809 A2 19980409 [WO9814809]
WO9814809 A3 19980820 [WO9814809]

AP - WOUS9717164 19970924 [1997WO-US17164]

ACT - 19980409 WO/AK [+]
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AL AM AT AT AU AZ BA BB BG BR BY CA CH CN CU CZ CZ DE DE DK DK EE EE ES FI FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK SL TJ TM TR TT UA UG UZ VN YU ZW AM AZ BY KG KZ MD RU TJ TM

19980409 WO/AL [+]
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REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE

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GH KE LS MW SD SZ UG ZW AT BE CH DE DK ES FI FR

19990604 WO/NENP
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19990805 WO/REG; DE/8642 [-]
DE: IMPACT ABOLISHED FOR DE
DE: WIRKUNG WEGGEFALLEN FUER DE
<DE>

20000209 WO/122 [-]
EP: PCT APP. NOT ENT. EUROP. PHASE

20000403 WO/NENP
NON-ENTRY INTO THE NATIONAL PHASE IN:
<CA>

UP - 2003-22

1 / 1 CRXX - ©CLAIMS/RRX

AN - 3222068

PN - 5,971,625 A 19991026 [US5971625]

PA - ADC Telecommunications Inc

PT - M (Mechanical)

ACT - 20011026 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20020910
REISSUE REQUEST NUMBER: 10/023516
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2874

Reissue Patent Number:

UP - 2002-37

UACT - 2002-09-10

Search statement 2

Back

Combined Source Set 14 - Intellectual Property Cases, Administrative Decisions & Regulations; Federal Register and CFR - Titles 19 and 37; Federal Register Documents Relating To Patent Issues; U.S. Patent & Trademark Office Decisions, Combined; Intellectual Property Law Review Articles, Combined; Patent, Trademark & Copyright Periodicals, Combined; Intellectual Property Law, Combined

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w/seg	in same segment
w/s	in same sentence
and not	and not

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w/seg	in same segment
w/s	in same sentence
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Terms and Connectors Natural Language

5971625 or 5,971,625

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- TITLE 2. THE CONGRESS
- TITLE 3. THE PRESIDENT
- TITLE 4. FLAG AND SEAL, SEAT OF GOVERNMENT, AND THE STATES
- TITLE 5. GOVERNMENT ORGANIZATION AND EMPLOYEES
- TITLE 6. DOMESTIC SECURITY
- TITLE 7. AGRICULTURE
- TITLE 8. ALIENS AND NATIONALITY
- TITLE 9. ARBITRATION
- TITLE 10. ARMED FORCES
- TITLE 11. BANKRUPTCY
- TITLE 12. BANKS AND BANKING
- TITLE 13. CENSUS
- TITLE 14. COAST GUARD
- TITLE 15. COMMERCE AND TRADE
- TITLE 16. CONSERVATION
- TITLE 17. COPYRIGHTS
- TITLE 18. CRIMES AND CRIMINAL PROCEDURE
- TITLE 19. CUSTOMS DUTIES
- TITLE 20. EDUCATION
- TITLE 21. FOOD AND DRUGS
- TITLE 22. FOREIGN RELATIONS AND INTERCOURSE
- TITLE 23. HIGHWAYS
- TITLE 24. HOSPITALS AND ASYLUMS
- TITLE 25. INDIANS
- TITLE 26. INTERNAL REVENUE CODE
- TITLE 27. INTOXICATING LIQUORS
- TITLE 28. JUDICIARY AND JUDICIAL PROCEDURE
- TITLE 29. LABOR
- TITLE 30. MINERAL LANDS AND MINING
- TITLE 31. MONEY AND FINANCE
- TITLE 32. NATIONAL GUARD
- TITLE 33. NAVIGATION AND NAVIGABLE WATERS
- TITLE 34. [NAVY]
- TITLE 35. PATENTS
- TITLE 36. PATRIOTIC AND NATIONAL OBSERVANCES, CEREMONIES, AND ORGANIZATIONS
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720764 (08) 5692080 November 25, 1997

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November 25, 1997

Double ferrule SC connector and adapter

INVENTOR: Lu, Liang-Ju - Eden Prairie, Minnesota, United States (US)

APPL-NO: 720764 (08)

FILED-DATE: October 3, 1996

GRANTED-DATE: November 25, 1997

ASSIGNEE-PRE-ISSUE: October 3, 1996 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., ADC TELECOMMUNICATIONS, INC. 4900 WEST 78TH STREETMINNEAPOLIS, MINNESOTA, 55435, Reel and Frame Number: 008232/0117

ASSIGNEE-AT-ISSUE: ADC Telecommunications, Inc., Minneapolis, Minnesota, United States (US), United States company or corporation (02)

LEGAL-REP: Merchant, Gould, Smith, Edell, Welter & Schmidt, P.A.

PUB-TYPE: November 25, 1997 - Utility Patent having no previously published pre-grant publication (A)

PUB-COUNTRY: United States (US)

US-MAIN-CL: 385#60

US-ADDL-CL: 385#55, 385#72, 385#78

CL: 385

SEARCH-FLD: 385#92, 385#60, 385#53, 385#72, 385#78, 385#55, 385#56, 385#59, 385#75

IPC-MAIN-CL: [6] G02B 006#38

PRIM-EXMR: Palmer; Phan T. H.

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